

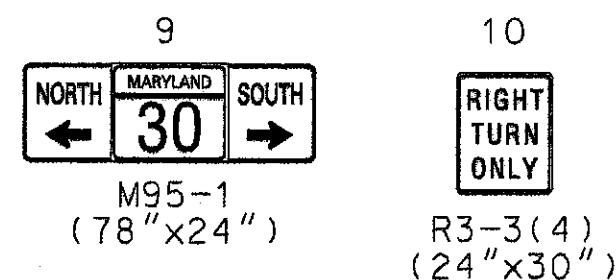
DRILL HOLES

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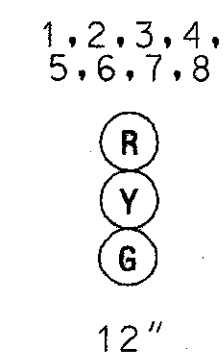
DRILL HOLES

BORDER REV. DATE: June 1, 2004

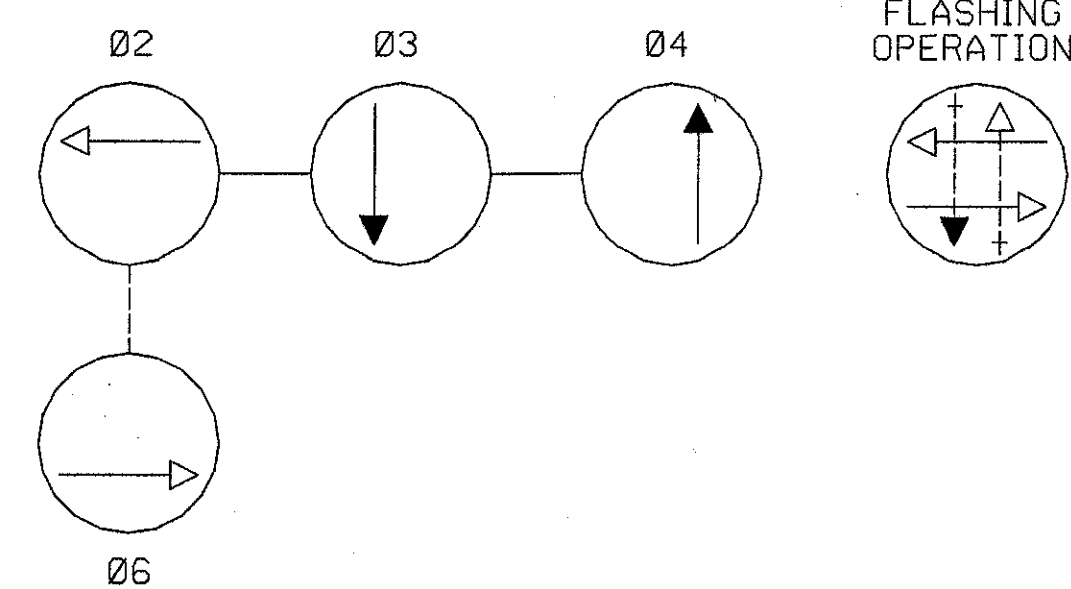
PROPOSED SIGNS



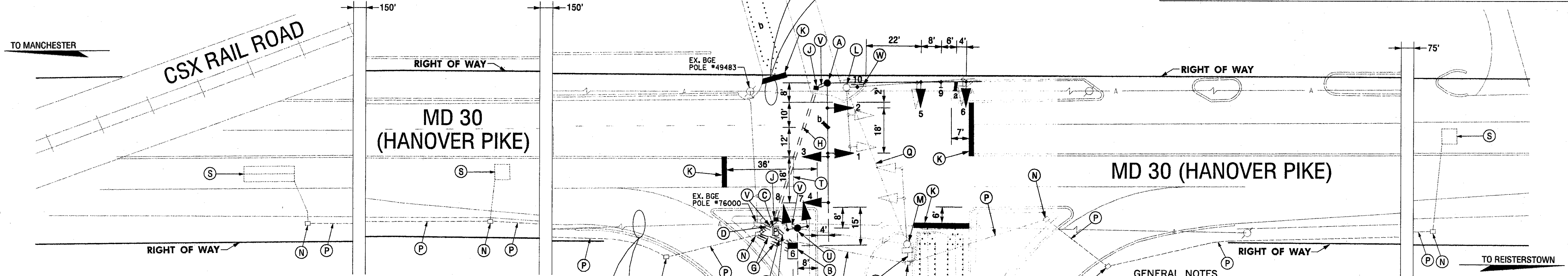
PROPOSED SIGNALS



NEMA PHASING

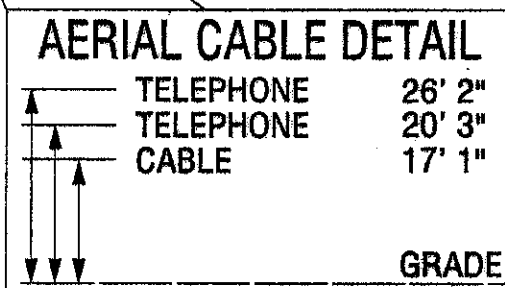


NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 23 FT. STEEL POLE WITH TWIN 50 AND 60 FT. MAST ARMS WITH SIGNAL HEADS, SIGN AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL CONCRETE FOUNDATION WITH A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- C. INSTALL METERED SERVICE PEDESTAL.
- D. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. STUB-UP CONDUIT BEND AT BASE OF EXISTING UTILITY POLE FOR POWER FEED. (SERVICE CONNECTION SHALL BE MADE BY POWER COMPANY).
- E. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- F. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. STUB-UP CONDUIT BEND AT BASE OF EXISTING UTILITY POLE FOR PHONE DROP. (PHONE SERVICE WILL BE REQUESTED BY OTHERS).
- G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- J. INSTALL HANDHOLE.
- K. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- L. REMOVE EXISTING POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. (NOTE: REMOVAL OF EXISTING FOUNDATION SHALL BE INCLUDED UNDER ITEM 8014 "REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT.")



BLACK & DECKER
ENTRANCE

GENERAL NOTES

- 1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- 2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- 3. ALL PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 6. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- 7. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 8. THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLES IN CONDUIT SYSTEM.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD STORM DRAIN
G GAS MAIN
W WATER MAIN
SAN SEWER MAIN
E ELECTRIC CABLES
A AERIAL CABLES
T TELEPHONE CABLES
FO FIBER-OPTIC

- M. REMOVE EXISTING POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT, POLE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. (NOTE: REMOVAL OF EXISTING FOUNDATION SHALL BE INCLUDED UNDER ITEM 8014 "REMOVE AND DISPOSE MATERIAL AND EQUIPMENT PER ASSIGNMENT.")
- N. USE EXISTING HANDHOLE.
- P. USE EXISTING CONDUIT.
- Q. CAP AND ABANDON EXISTING CONDUIT.
- R. DISCONNECT AND REMOVE EXISTING LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- S. USE EXISTING LOOP DETECTOR.
- T. REMOVE EXISTING PAVEMENT MARKING.

- U. INSTALL CONCRETE FOUNDATION WITH A 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE AND SIGNAL HEADS. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- V. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- W. INSTALL GROUND MOUNTED R3-3(4) SIGN ON A 4 IN. X 4 IN. WOOD POST.

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APPROVALS		REVISIONS		TRAFFIC SIGNAL PLAN	
		© SHA NO. AT3585185 10/01/04 RECONSTRUCT TRAFFIC SIGNAL		SCALE 1" = 20' DATE 08/21/91 CONTRACT NO.	
		SWA NO. 1005785 06/11/01 MODIFY EXISTING TRAFFIC SIGNAL		DESIGNED BY COUNTY CARROLL	
		A 09/91 MODIFY EXISTING TRAFFIC SIGNAL		DRAWN BY S. REYNA/B. THOMPSON LOGMILE 06003001.15	
		BT SR DAZ ETP BRK		CHECKED BY T.I.M.S. NO. 6463	
OFFICE DIRECTOR				F.A.P. NO. TOD NO.	
				DRAWING NO. TS-3182C SHEET NO. 1 OF 2	

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**MD 30 (HANOVER PIKE) AT
BLACK AND DECKER ENTRANCE**

PLOTTED: FRIDAY, OCTOBER 29, 2004 AT 10:53 AM
FILE: RA2002V12 2001-12C1TASK 41DVGVP56-P001.0463.DGN
SHA# 01722A501008
TOD# AT358-44